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(54) Title: SILVER-CONTAINING CATALYSTS FOR THE REACTION OF SUBSTRATES WITH C-C-DOUBLE BONDS

(57) Abstract: The present invention relates to a silver-containing catalyst system, which can be applied for the reaction of substrates with at least one C-C-double bond with at least one oxygen-containing or oxygen-supplying component with formation of at least one epoxide. The silver-containing catalyst according to the invention is characterized in that its activity as well as its selectivity is significantly increased with respect to the target product compared with the silver-containing catalysts of the state of the art, as a consequence of the process for the manufacture according to the invention, in which the synthesis of a silver-amine complex is carried out in absence of light and at temperatures below room temperature.